

GREEN RIVER BASIN

09218500 BLACKS FORK NEAR MILLBURNE, WY

LOCATION.--Lat 41°01'54", long 110°34'43", in NW¹/₄ NE¹/₄ SW¹/₄ sec.11, T.12 N., R.117 W., Uinta County, Hydrologic Unit 14040107, on left bank 0.4 mi downstream from Meeks Cabin Dam, 2.7 mi north of Utah-Wyoming State line, and 17 mi southwest of Millburne.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--July 1939 to current year (no winter records since 1992). Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 929: 1940.

GAGE.--Water-stage recorder. Datum of gage is 8,512.27 ft above sea level (Bureau of Reclamation bench mark). Prior to Oct. 1, 1971, at several sites about 2.0 mi downstream at various datums.

REMARKS.--Estimated daily discharges: May 1-5. Records fair except those for estimated daily discharges, which are poor. Flow completely regulated by Meeks Cabin Reservoir, capacity, 32,470 acre-ft, since June 1971. Results of discharge measurements, in cubic feet per second, made during period when station was not in operation, are given below:

Oct. 2 . . . 60.6
Apr. 28 . . . 16.5

COOPERATION.--Records provided by Office of the Wyoming State Engineer and reviewed by the Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	18	703	419	244	207
2	---	---	---	---	---	---	---	19	698	438	244	212
3	---	---	---	---	---	---	---	20	704	438	244	217
4	---	---	---	---	---	---	---	21	708	432	244	217
5	---	---	---	---	---	---	---	22	708	428	218	217
6	---	---	---	---	---	---	---	22	711	426	207	217
7	---	---	---	---	---	---	---	23	713	426	207	212
8	---	---	---	---	---	---	---	24	723	417	207	210
9	---	---	---	---	---	---	---	24	1040	408	207	238
10	---	---	---	---	---	---	---	24	1350	404	207	251
11	---	---	---	---	---	---	---	26	1300	402	205	251
12	---	---	---	---	---	---	---	31	1090	401	192	251
13	---	---	---	---	---	---	---	52	936	393	186	249
14	---	---	---	---	---	---	---	150	821	395	182	244
15	---	---	---	---	---	---	---	427	747	381	182	244
16	---	---	---	---	---	---	---	589	716	361	182	223
17	---	---	---	---	---	---	---	633	656	359	182	207
18	---	---	---	---	---	---	---	662	635	349	188	207
19	---	---	---	---	---	---	---	669	729	347	193	207
20	---	---	---	---	---	---	---	670	890	345	197	207
21	---	---	---	---	---	---	---	693	913	342	197	207
22	---	---	---	---	---	---	---	714	881	303	197	207
23	---	---	---	---	---	---	---	741	788	255	197	152
24	---	---	---	---	---	---	---	771	698	253	197	106
25	---	---	---	---	---	---	---	775	634	254	197	103
26	---	---	---	---	---	---	---	775	599	255	202	102
27	---	---	---	---	---	---	---	761	540	255	207	102
28	---	---	---	---	---	---	---	716	482	251	207	102
29	---	---	---	---	---	---	---	705	404	246	207	102
30	---	---	---	---	---	---	---	691	409	244	207	77
31	---	---	---	---	---	---	---	699	---	244	207	---
TOTAL	---	---	---	---	---	---	---	12167	22926	10871	6340	5748
MEAN	---	---	---	---	---	---	---	392	764	351	205	192
MAX	---	---	---	---	---	---	---	775	1350	438	244	251
MIN	---	---	---	---	---	---	---	18	404	244	182	77
AC-FT	---	---	---	---	---	---	---	24130	45470	21560	12580	11400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1992, BY WATER YEAR (WY)

MEAN	58.9	39.5	29.1	26.4	25.3	28.4	58.3	406	703	339	127	85.2
MAX	199	137	52.7	47.8	57.2	71.7	297	743	1484	1081	317	196
(WY)	1985	1983	1984	1962	1971	1960	1946	1969	1983	1975	1983	1983
MIN	28.9	11.6	8.47	7.92	6.10	6.54	7.37	91.6	237	65.9	34.1	31.5
(WY)	1978	1971	1982	1978	1977	1977	1977	1977	1954	1940	1940	1946

SUMMARY STATISTICS

FOR 1997 WATER YEAR*

WATER YEARS 1940 - 1992

ANNUAL MEAN	--	161 ^a	
HIGHEST ANNUAL MEAN	--	281	1983
LOWEST ANNUAL MEAN	--	82.9	1977
HIGHEST DAILY MEAN	1350	2180	Jun 7 1957
LOWEST DAILY MEAN	18	1.0	Sep 15, 16, 1983
ANNUAL SEVEN-DAY MINIMUM		5.7	Nov 7 1970
INSTANTANEOUS PEAK FLOW	1370	2530 ^b	Jun 7 1957#
INSTANTANEOUS PEAK STAGE	4.62	6.76 ^c	Jun 12 1965#
ANNUAL RUNOFF (AC-FT)	--	116600	
10 PERCENT EXCEEDS	--	507	
50 PERCENT EXCEEDS	--	44	
90 PERCENT EXCEEDS	--	14	

* During period of operation.

For period of record through 1997.

a Unadjusted.

b From rating curve extended above 1,500 ft³/s.

c From floodmarks, site and datum then in use.